

TurboSonic®

Therapy System
The Science of Sound

OVATION



THE HOME MODEL

TurboSonic®
www.turbosonicusa.com

Contra Indications for use



Warning

Consult a physician before using this equipment for the first time. Stop the machine immediately if you experience chest pain, faintness, difficulty breathing, or severe discomfort.

* Serious cardiovascular condition

* Pacemaker or other electrical implant

* Pregnancy

* Acute thrombosis

* Hip, knee or other joint replacements

* Epilepsy

* Severe migraine

* Tumor

* Recently placed IUD, metal pins or plate

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If any of the conditions listed above apply to you, consult your physician or competent health care practitioner who is familiar with whole body vibration therapy before using the Turbosonic.

User's Guide

Please read through this User's Guide prior to use. After you have finished reading this manual, please keep it in a safe place.

Save the shipping box and all packaging!

Warranty void if returns are not made with original packing materials.

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Welcome

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Thank you for purchasing your TurboSonic VibrationTherapy Trainer and welcome to a growing community of TurboSonic enthusiasts. Welcome also to a new dimension in health and long-term well-being, never before attainable. Your Turbo Sonic is the most technologically-advanced, whole body vibration device available in the world today.

Its ability to generate precise low frequency vibrations at varying intensities can enhance the health and well-being of you, your family and your friends for many years to come.

Here at TurboSonic USA, we dedicate ourselves to providing the latest innovative, non-toxic, non-invasive, life-restoring health solutions available.

Please take the time to read this User's Guide thoroughly in order to become familiar with the set up, operation and maintenance of your new TurboSonic.

Contact us if you have any questions or concerns. We'd love to hear any stories you'd like to share about how your TurboSonic may have enhanced your health and the quality of your life.

To your radiant Health, Happiness and long-term Well Being,

Jim Cole
CEO, TurboSonic USA

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Package Contents

Main System

Separate packing for the body
and plate is available



Audio connection cable

Input external audio



Hexagonal shaped wrench



Spare fuse (2 pcs)



Level adjust tool



Wrench bolt (8pcs)



User's Guide



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User's Guide

Specifications & Main Features

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- Model • TT2590 OVATION
- Applicable Frequency • 0.1~100,000Hz
- Operating Frequency • 3~60Hz
- Max. Allowable Load • Max 250 lbs.
- Power Source • 110V / 220V, 50Hz / 60Hz
- Power Consumption • 300W~500W
- Sonic Wave Generator • \varnothing 245mm X 1
- Operating Conditions • Temp. : 0-40°C (32-104°F),
Humidity : 0-82%
- Size & Weight • Body - L 510 x W 395 x H 1318mm / 30kg
Plate - L 670 x W 656 x H 243mm / 80kg
Set - L 670 x W 905 x H 1395mm / 110kg
- Finish • Powder coat / Black Acrylic

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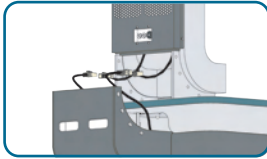
* The specifications may be changed if necessary,
at the sole discretion of the manufacturer and without prior
notice.



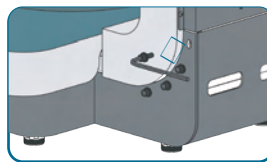
User's Guide

Assembly and Disassembly Instructions

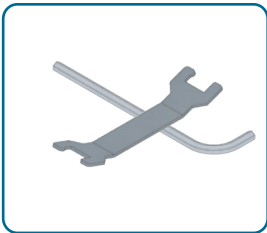
Assembly



1. Place the body close to the plate and connect the internal connection cables (2 lines) Use caution not to bind or pinch cables/wires in any way!



2. Align the guide pin of the plate with the body, then insert 4 each M8x20cm wrench bolts at side of body.

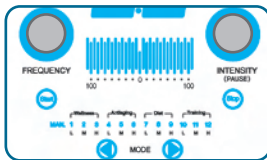


3. Fasten the 4 bolts under the plate tight enough not to sway by using the enclosed hexagon shaped wrench.

With the level adjust tool, level the product with the floor by adjusting the leveling screw under the plate. For more precision, adjust by hand.



4. Connect the power cable to the power terminal at the rear of the body and turn the power switch "ON" by pressing the "STOP" button and holding more than 2 seconds.



5. To operate the machine, press "START" and dial the "INTENSITY" knob to the desired level.

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Disassembly

1. Power cable must be removed first, prior to starting disassembly.
2. Proceed with disassembly by following the assembly sequence in reverse i.e.#3 to #1.

Safety Guide

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Safety guide for product handling

Users shall follow instructions below for warning and attention to insure safe and proper operation of the product.

Caution instructions are distinguished as follows:



Warning



Attention

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Meaning of Symbols



Observation



No
Disassembly



Ground



Not Allowed



Remove
Power Plug

Safety Guide

Safety guide for product handling & installation

Please do not install the product in wet or damp area.



Not Allowed

For installation, please avoid areas close to outdoors where it may come in contact with water



Not Allowed

The product shall be installed away from the wall with a space of no less than 8 inches.



Observation

The product shall be installed on a solid and level floor.



Observation

Be sure the power outlet is a dedicated circuit and is capable of supporting the maximum power consumption of the product.



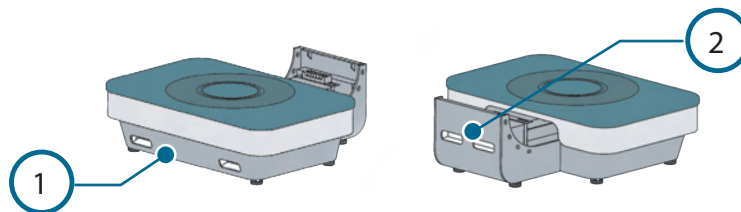
Observation

Proper carrier shall be used to move the product, or inappropriate move may cause damage to the product.



Observation

To move the product, please lift and move the product holding the **grips** under the plate (① & ② in the photo below)
Never lift unit by the plate as it will damage the product!



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Safety guide for operation



When preparing for exercise an improper stance may cause injury. Please press the “Start” button only after standing
Observation firmly upright on the plate with feet shoulder width apart.



Stepping down from the plate while in operation could result in injury. Please make sure the product comes to
Observation a complete stop before stepping off the plate.



Jumping on the plate of product while in operation may cause bodily injury or damage to the product.
Observation



When the aged/elderly or children use the product, they need to be supervised by a guardian.
Observation



In any case, please do not disassemble, repair or modify the product as this could result in damage or malfunction of the product.
No Disassembly



Any objects piled up on the plate may cause damage to the product.
Not Allowed

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Safety Guide

Safety guide for maintenance & storage

Please do not place any flammable material near product.



Not Allowed

Please do not spray water directly, do not use benzene, thinner or bleach for cleaning the product.



Not Allowed

Please remove the power plug from the power outlet before cleaning.



Not Allowed

To clean the control panel, please wipe up with a dry cloth; avoiding water penetration under the control panel.



Observation

To clean the outside of the product, please use appropriate cleanser which is suitable with the material of the product.



Observation

Please clean and dry the product before long term storage.



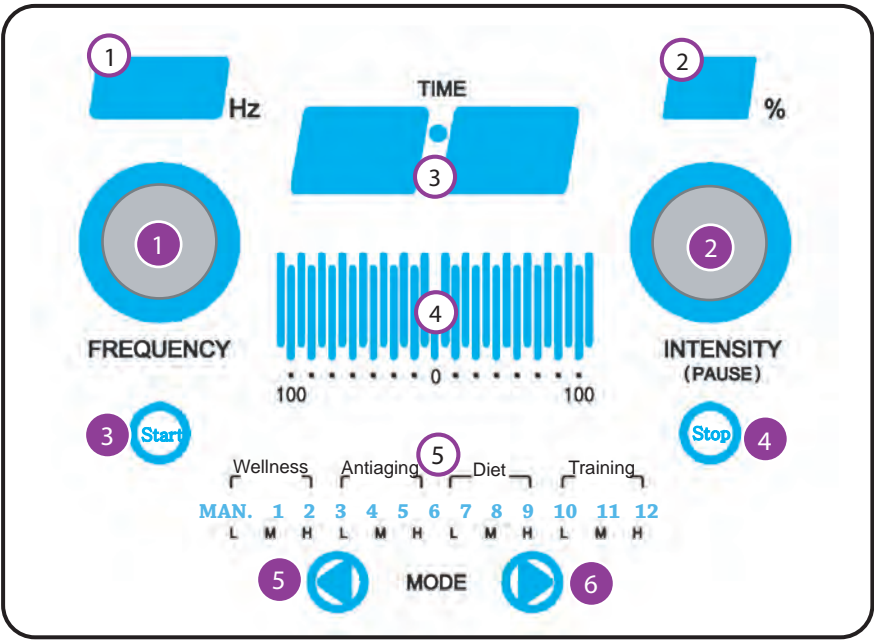
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Control Panel



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Display

- ① Hz Displays frequency of vibration from 3 to 60 Hz
- ② % Displays intensity of vibration from 0 to 99.
- ③ TIME Displays the rest time from set time.
Max.20 minutes can be set per session.
- ④  Intensity (Volume)
- ⑤  Operating Mode is displayed.

Control Panel

Button & Dials

- 1** **FREQUENCY (Hz)**
 - The frequency (Hz) can be selected at an interval of 0.1 Hz by using the Frequency knob.
 - In MANUAL (MAN) mode, speed of vibration can be selected by number of frequency from 3 to 60.
- 2** **INTENSITY (%) PAUSE**
 - In MANUAL (MAN) mode, Intensity of vibration can be selected from 0~99.
 - Press "INTENSITY" knob when you need to pause.
- 3** **START**
 - Start the operation manually in selected mode.
 - In manual mode, the default exercise time is preset as 10 minutes and increased by 1 minute per press up to max. 20 minutes.
 - Restart the operation when the operation is in pause.
- 4** **STOP**
 - Stops the operation manually.
 - Press and hold the stop button more than 2 seconds to turn the machine off and change to the standby mode.
- 5**  -Select left-side mode on the display.
- 6**  -Select right-side mode on the display.

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Turn On

1. Plug the power cord at the rear of the body into the power source.
2. Step on the plate and place feet shoulder width apart.
3. Press and hold "STOP" button more than 2 seconds; machine will begin operating mode.

Manual Mode

4. Select MAN. (Manual) mode by using mode selection button.
(Initial mode is set at "MAN.")
5. Select required Hz by using the "FREQUENCY" knob for exercise level appropriate for user.
6. Press "START" button.
7. Press "TIMER" button repeatedly to set the time.
(Exercise time is preset for 10 minutes and exercise time can be increased per press by 1 minute up to max. 20 minutes).
8. By using the "INTENSITY" knob, set the intensity (0~99) for exercise level appropriate for user.
9. To stop while in operation, simply press "INTENSITY" knob to Pause the machine. (Press "START" button to operate again).
10. To stop, simply press "STOP" button. It slows down gradually for 5 seconds. Please make sure the operation stops completely before stepping down from the plate.
11. Turn the machine to standby mode by pressing and holding "STOP" button more than 2 seconds.
12. When the machine is not used for 30 minutes, it will switch to Standby mode automatically for saving power consumption.

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Operating Guide

Program Mode

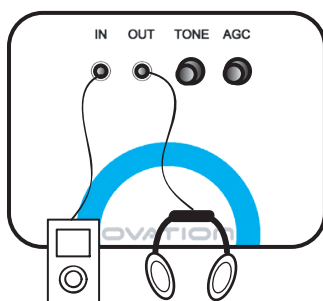
4. Select the desired program by using mode selection button.
 - Please refer to page 17 for program mode details.
 - Select the appropriate intensity L(Low), M(Medium), H(High)
5. Press “START” button.
6. Exercise time is preset for 10 minutes.
7. To stop a moment while in operation, simply press “INTENSITY” knob to turn the machine to pause. (Press “START” button to operate again).
8. To stop using, simply press “STOP” button. It slows down gradually for 5 seconds. Please make sure the operation stops completely before stepping down from the plate.
9. Turn the machine to standby mode by pressing and holding “STOP” button more than 2 seconds.
10. When the machine is not used for 30 minutes, it's turned to Standby mode automatically for saving power consumption.

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Audio System

This is the world's first system - exclusively developed by Turbosonic, which enables the user to feel not only vibration, but also the sound simultaneously by connecting external sound sources such as MP3 player or PC into the audio input terminal of the product.



- ① IN: External sound sources can be input into this terminal.
- ② OUT: Sound sources such as MP3 can be output through this terminal by using headset or earphone.
- ③ TONE: Control a quality of a tone between high and low tone.
- ④ AGC: Automatic Gain Control (regularize the level of sound).

Troubleshooting List Before Service

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Trouble	Check Point / Solution	
Power does not come on.	Check Point	Check if the power cord is not connected to power source properly. Check if the power switch is "Off". Check if the fuse has blown.
	Solution	Connect the power cord firmly. Turn the power switch "On". Replace the fuse (refer to page 16).
Error Message while in operation.	Check Point	^E1 - Short Circuit ^E2 - Over Heat ^E3 - Over Weight ^E4 - No Load
	Solution	^E1 - Contact after-sales service immediately. ^E2 - Please allow the machine to cool down for about 2 minutes. ^E3 - The weight of user is over the MAXIMUM allowable weight which is 250 lbs. ^E4 - Indicates that customer stepped down from the plate before stopping the machine. Please press "STOP" button and it will be returned to normal.
Excessive shaking and noise in the body while operating.	Check Point	Check if the place where the product is located is tilted. Check if the product is not level with the floor.
	Solution	Relocate the product to a level and solid floor. Level the product by adjusting the leveling screw under the plate.
The product stops suddenly during operation.	Check Point	Check if too many plugs are connected to the power outlet where the product is connected.
	Solution	Use an exclusive power outlet for the product.
No vibration in the plate, while the control panel works normally.	Check Point	Check if the "INTENSITY" is set to "0"
	Solution	Intensity can be controlled only in MANUAL mode. Adjust the intensity with the "INTENSITY" knob.

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Manual Mode

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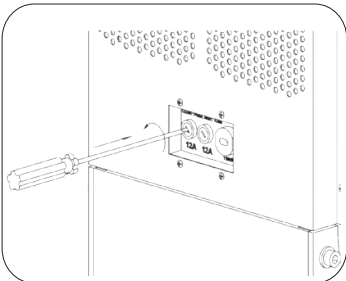
Stimulated region by Frequency(Hz)

3Hz	Whole body (walk)
4Hz	Arm, Shoulder
5Hz	Chest, Shoulder
6Hz	Shoulder, Back
7Hz	Back, Abdomen (Trunk)
8Hz	Abdomen, Hip, Thigh
9Hz	Hip, Thigh, Abdomen
10Hz	Thigh (Inner)
11Hz	Thigh (Inner), Prostate (Man)
12Hz	Knee, Face
13Hz	Whole body (Backbone), Face
14Hz	Whole body (Backbone), Trapezius
15Hz	Thigh (Front), Calf
16Hz	Thigh (Front), Calf
17Hz	Abdomen, Thigh (Inner), Front Pelvis
18Hz	Whole Body Stimulation
19Hz	Whole Body Stimulation
20Hz	Whole Body Stimulation
21Hz	Pelvis (Side), Sartorius, Underbelly (Women)
22Hz	Pelvis (Side), Sartorius, Underbelly (Women)
23Hz	Calf, Thigh (Back)
24Hz	Calf, Thigh (Back)
25Hz	Calf, Thigh (Back)
26~60Hz	Muscular stimulation and muscular nervous system stimulation Rehabilitation training and circulation massage

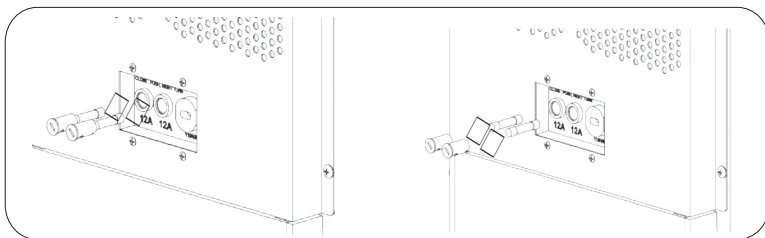
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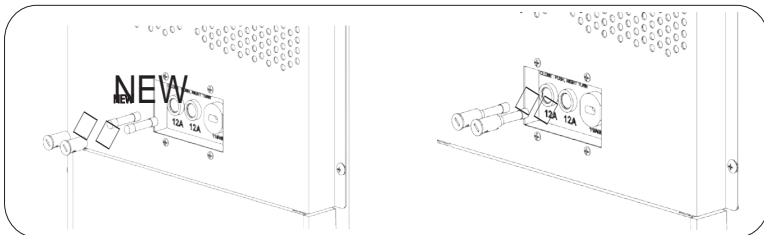
Quick Replacement of Fuse



1. After removing the power cord, press and turn the fuse-covering holder to counterclockwise by using a straight-slot screwdriver.



2. As shown in the photo, extract the fuse holder, remove the fuse in the left slot of the holder.



3. Replace with spare fuses which are supplied in the package contents.
4. Replace the right side fuse if the machine is still not working after changing the left side fuse.

* When all of the supplied spare fuses are used, please purchase specified fuses for further replacement (Fuse : 250V/12A).

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Warranty

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Your TurboSonic is warranted to be free from manufacture or workmanship defects for a period of 3 years in accordance with a conditional warranty provided separately by:

TurboSonic USA

**The TurboSonic Ovation is for home use only.
Any commercial or professional use of this
product will void warranty.**

See warranty conditions for specific terms.

Disclaimer

Turbosonic USA

Disclaimer of warranties and Limitation of Liability

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Subject to change.

All terms herein are subject to change without prior notice.

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User's Guide

Excellence in Vertical Vibration

Turbosonic®

Domestic Patent

Patent No. 10-0620147 VIBRATORY APPARATUS OF EXERCISE

Patent No. 10-0651766 MAGNETIC CIRCUIT EQUIPPED WITH DUAL
MAGNET, AND ITS APPLIED SPEAKER &
VIBRATOR USED IT WITHIN

Overseas Patent

US patent No. US 7,141,029, B2 VIBRATORY APPARATUS OF EXERCISE



U.S Food & Drug Administration



KETI Safety Certificate of Electric Appliance



IEC 60335 Certificate



ISO 9001 : 2000
ISO 13485 : 2003



Korea Food & Drug Administration



U.S NRTL Certificate



Certificate



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CE MDD

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